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Surge arresters - Part 5: Selection and application recommendations

Überspannungsableiter - Teil 5: Anleitung für die Auswahl und die Anwendung

Parafoudres - Partie 5: Recommandations pour le choix et l'utilisation
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und die Anwendung
(IEC 60099-5:2018)

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EN IEC 60099-5:2018 (E)**European foreword**

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60071-1	2006	Insulation co-ordination -- Part 1: Definitions, principles and rules	EN 60071-1	2006
+ A1	2010		+ A1	2010
IEC 60071-2	1996	Insulation co-ordination -- Part 2: Application guide	EN 60071-2	1997
IEC 60099-4	2004	Surge arresters -- Part 4: Metal-oxide surge arresters without gaps for a.c. systems	EN 60099-4	2004
+ A1	2006		+ A1	2006
+ A2	2009		+ A2	2009
IEC 60099-4	2014	Surge arresters -- Part 4: Metal-oxide surge arresters without gaps for a.c. systems	EN 60099-4	2014
IEC 60099-6	2002	Surge arresters -- Part 6: Surge arresters containing both series and parallel gapped structures - Rated 52 kV and less	-	-
IEC 60099-8	2011	Surge arresters -- Part 8: Metal-oxide surge arresters with external series gap (EGLA) for overhead transmission and distribution lines of a.c. systems above 1 kV	EN 60099-8	2011
IEC 60507	-	Artificial pollution tests on high-voltage ceramic and glass insulators to be used on a.c. systems	EN 60507	-
IEC 62271-200	-	High-voltage switchgear and controlgear -- Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	EN 62271-200	-
IEC 62271-203	-	High-voltage switchgear and controlgear -- Part 203: Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV	EN 62271-203	-
IEC/TR 60071-4	-	Insulation co-ordination -- Part 4: Computational guide to insulation co-ordination and modelling of electrical networks	-	-
IEC/TS 60815-1	2008	Selection and dimensioning of high-voltage-insulators intended for use in polluted conditions - Part 1: Definitions, information and general principles	-	-

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SURGE ARRESTERS –**Part 5: Selection and application recommendations****FOREWORD**

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International Standard IEC 60099-5 has been prepared by IEC technical committee 37: Surge arresters.

This third edition cancels and replaces the second edition published in 2013. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition regarding the new surge arrester classification introduced in IEC 60099-4:2014:

- a) Expanded discussion of comparison between the old and new classification and how to calculate or estimate the corresponding charge for different stresses.
- b) New annexes dealing with:
 - Comparison between line discharge classes and charge classification
 - Estimation of arrester cumulative charges and energies during line switching